

IN THE CLAIMS:

Please amend Claims 59, 60, 61, 64 and 65 as shown below. The claims, as pending in the subject application, now read as follows:

1. (Previously presented) A print layout device, which serves as a host computer, for providing a layout for a recording sheet and generating a print job to be sent to a printer, said print layout device comprising:

a margin setter adapted to set a margin for a sheet;

a spooler adapted to spool drawing commands based on a print request provided by an application in a memory;

a data re-calculator adapted to re-calculate position and distance data associated with the drawing commands spooled by said spooler in the memory for ~~in~~ each logical page provided by the application, in consonance with a printable area of a physical page obtained based on the margin set by said margin setter; and

a print job generator adapted to generate a print job comprising at least one printer control command based on the drawing commands and the position and distance data re-calculated by said data re-calculator,

wherein said margin setter is capable of setting a binding margin adjacent to a center line in a sheet such that the sheet is folded along a line in the binding margin for bookbinding, and said data re-calculator re-calculates the position and distance data such that data generated based on the re-calculated position and distance data and the drawing commands are arranged in the printable area based on the binding margin.

2. to 57. (Canceled)

58. (Previously presented) A print layout device, which serves as a host computer, for providing a layout for a recording sheet and generating a print job to be sent to a printer, said print layout device comprising:

margin setting means, for setting a margin for a sheet;

spooling means to spool drawing commands based on a print request provided by an application in a memory;

data re-calculating means for re-calculating position and distance data associated with the drawing commands spooled by said spooling means in the memory for each logical page provided by the application, in consonance with a printable area of a physical page obtained based on the margin set by said margin setting means; and

generating means for generating a print job comprising at least one printer control command based on the drawing commands and the position and distance data re-calculated by said data re-calculating means,

wherein said margin setting means is also for setting a binding margin adjacent to a center line in a sheet such that the sheet is folded along a line in the binding margin for bookbinding, and said data re-calculating means re-calculates the position and distance data such that data generated based on the re-calculated position and distance data and the drawing commands are arranged in the printable area based on the binding margin.

59. (Currently amended) A print layout method for providing a layout for a recording sheet and generating print job to be sent to a printer, said print layout method comprising the steps of:

setting a margin for a sheet;

spooling drawing commands based on a print request provided by an application in a memory;

re-calculating position and distance data associated with the drawing commands spooled in ~~[[by]]~~ said spooling step ~~spooler~~ in the memory for each logical page provided by the application, in consonance with a printable area of a physical page obtained based on the margin set in said margin setting step; and

generating a print job sent to a printer comprising at least one printer control command based on the drawing commands and the position and distance data re-calculated in said data re-calculating step,

wherein said margin setting step includes setting a binding margin adjacent to a center line in a sheet such that the sheet is folded along a line in the binding margin for bookbinding, and said data re-calculating step re-calculates the position and distance data such that data generated based on re-calculated position and distance data and the drawing commands are arranged in the printable area based on the binding margin.

60. (Currently amended) A print layout program for providing a layout for a recording sheet and generating a print job to be sent to a printer, said print layout program comprising:

program code for setting a margin for a sheet;

program code for spooling drawing commands based on a print request provided by an application in a memory;

program code for re-calculating position and distance data associated with the drawing commands spooled in [[by]] said spooling step ~~spooler~~ in the memory for each logical page provided by the application, in consonance with a printable area of a physical page obtained based on the margin set by execution of said program code for margin setting; and

program code for generating a print job sent to a printer comprising at least one printer control command based on the drawing commands and the position and drawing data re-calculated by execution of said program code for data re-calculating,

wherein said program code for margin setting also effects setting of a binding margin adjacent to a center line in a sheet such that the sheet is folded along a line in the binding margin for bookbinding, and said program code for data re-calculating re-calculates the position and distance data such that data generated based on the re-calculated position and distance data and the drawing commands are arranged in the printable area based on the binding margin.

61. (Currently amended) A memory medium storing computer executable instructions for performing a print layout method for providing a layout for a recording sheet and generating a print job to be sent to a printer, said print layout method comprising the steps of:

setting a margin for a sheet;

spooling drawing commands based on a print request provided by an application in a memory;

re-calculating position and distance data associated with the drawing commands spooled in ~~[[by]]~~ said spooling step ~~spooler~~ in the memory for each logical page provided by the application, in consonance with a printable area of a physical page obtained based on the margin set in said margin setting step; and

generating a print job sent to a printer comprising at least one printer control command based on the drawing commands and the position and distance data re-calculated in said data re-calculating step,

wherein said margin setting step includes setting a binding margin adjacent to a center line in a sheet such that the sheet is folded along a line in the binding margin for bookbinding, and said data re-calculating step re-calculates the position and distance data such that data generated based on the re-calculated position and distance data and the drawing commands are arranged on the printable area based in the binding margin.

62. (Previously presented) A print layout device, which serves as a host computer for providing a layout for a recording sheet and generating a print job to be sent to a printer, said print layout device comprising:

a margin setter adapted to set a margin for a sheet;

a spooler adapted to spool drawing commands based on a print request provided by an application in a memory;

a data re-calculator adapted to re-calculate position and distance data associated with the drawing commands spooled by said spooler in the memory for each logical page provided by the application, in consonance with a printable area of a physical page obtained based on the margin set by said margin setter; and

a print job generator adapted to generate a print job comprising at least one printer control command by a physical page unit, based on the drawing commands and the position and distance data re-calculated by said data re-calculator,

wherein, when the drawing commands correspond to a plurality of logical pages to be printed on one sheet, said data re-calculator is adapted to perform a process for recalculating the position and distance data associated with the drawing commands for each of the plurality of logical pages such that data generated based on the re-calculated position and distance data and the drawing commands are centered in the printable area.

63. (Previously presented) A print layout device, which serves as a host computer, for providing a layout for a recording sheet and generating a print job to be sent to a printer, said print layout device comprising:

margin setting means for setting a margin for a sheet;

spooling means adapted to spool drawing commands based on a print request provided by an application in a memory;

data re-calculating means for re-calculating position and distance data associated with the drawing commands spooled by said spooler in the memory for each logical page provided by the application, in consonance with a printable area of a physical page obtained based on the margin set by said margin setting means; and

generating means for generating a print job comprising at least one printer control command by a physical page unit, based on the drawing commands and the position and distance data re-calculated by said data re-calculating means,

wherein, when the drawing commands correspond to a plurality of logical pages to be printed on one sheet, said data re-calculating means performs a process for re-calculating the position and distance data associated with the drawing commands for each of the plurality of logical pages such that data generated based on the re-calculated position and distance data and the drawing commands are centered in the printable area.

64. (Currently amended) A print layout method for providing a layout for a recording sheet and generating a print job to be sent to a printer, said print layout method comprising the steps of:

setting a margin for a sheet;

spooling drawing commands based on a print request provided by an application in a memory;

re-calculating position and distance data associated with the drawing commands spooled in [[by]] said spooling step spooler in the memory in each logical page provided by the application, in consonance with a printable area of a physical page obtained based on the margin set in said margin setting step; and

generating a print job comprising at least one printer control command by a physical page unit, based on the drawing commands and the position and distance data re-calculated in said data re-calculating step,

wherein, when the drawing commands correspond to a plurality of logical pages to be printed on one sheet, said data re-calculating step includes performing a process for re-calculating the position and distance data associated with the drawing commands for each of the plurality of logical pages such that data generated based on the re-calculated position and distance data and the drawing commands are centered in the printable area.

65. (Currently amended) A print layout program for providing a layout for a recording sheet and generating a print job to be sent to a printer, said print layout program comprising:

program code for setting a margin for a sheet;

program code for spooling drawing commands based on a print request provided by an application in a memory;

program code for re-calculating position and distance data associated with the drawing commands spooled by said program code for spooling spooler in the memory



for each logical page provided by the application, in consonance with a printable area of a physical page obtained based on the margin set by execution of said program code for margin setting; and

program code for generating a print job comprising at least one printer control command by a physical page unit, based on the drawing commands and the position and distance data re-calculated by execution of said program code for data re-calculating,

wherein, when the drawing commands correspond to a plurality of logical pages to be printed on one sheet, said program code for data re-calculating also effects a process for re-calculating the position and distance data associated with the data commands for each of the plurality of logical pages such that data generated based on the re-calculated position and distance data and the drawing commands are centered in the printable area.

66. (Previously presented) A memory medium storing computer executable instructions for performing a print layout method for providing a layout for a recording sheet and generating a print job to be sent to a printer, said print layout method comprising the steps of:

setting a margin for a sheet;

a spooler adapted to spool drawing commands based on a print request provided by an application in a memory;

re-calculating position and distance data associated with the drawing commands spooled by said spooler in the memory for each logical page provided by the

application, in consonance with a printable area of a physical page obtained based on the margin set in said margin setting step; and

generating a print job comprising at least one printer control command by a physical page unit, based on the drawing commands and the position and distance data re-calculated in said data re-calculating step,

wherein, when the drawing commands correspond to a plurality of logical pages to be printed on one sheet, said data re-calculating step includes performing a process for re-calculating the position and distance data associated with the drawing commands for each of the plurality of logical pages such that data generated based on the re-calculated position and distance data and the drawing commands are centered in the printable area.